



# Urban Challenge

Vehicle Bumper Height Distribution

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## Urban Challenge Vehicle Bumper Height Distribution

The cumulative distribution of autonomous vehicle bumper height survey results is plotted in Figure 1. Bumper in this document refers to the outer most protective structures on either end of the vehicle. If an additional bumper was added to the vehicle, the height of the additional bumper was used. The bumper height is the clearance measured from the ground to the bottom of the bumper.

This information is provided for planning purposes.

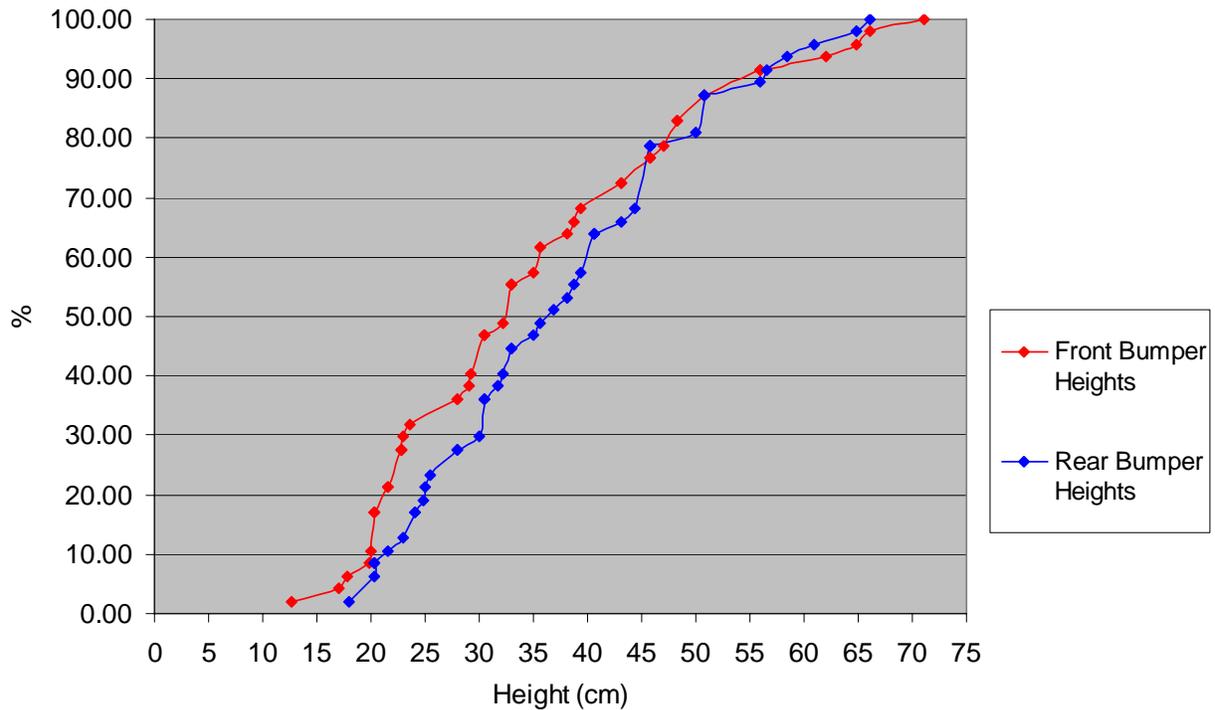


Figure 1. Urban Challenge team vehicle cumulative bumper height distribution

The minimum and maximum front bumper heights are 12.7 cm and 71.1 cm respectively. The average front bumper height is 35.4 cm. The minimum and maximum rear bumper heights are 18.0 cm and 66.0 cm respectively while the average rear bumper height is 37.9 cm.